

0934370-051301

>33358 cDNA ORF 75-1046
GCGTCCGCGGACGCGTGGGTTATAACTCAGTGAAATTTTACAGTCCTAGGACCTATACAGAGCATAAGC
CAAAATGGAAGATGGTCCTGTTTTCTATGGCTTTAAAAACATTTTATTACAATGTTTGCTACGTTTTTT
TTCTTTAAGCTTTTAATTAAAGTTTTTTTGGCTCTCCTAACCCTTTCTATATCGTCAAAGGAAATAGAA
AAGAAGCGGCTAGGATAGCAGAAGAGATCTATGGTGGAAATTCAGATTGCTGGGCTGATCGATCCCCACT
TCATGAAGCTGCAGCTCAGGGGCGCTTACTGGCCCTTAAACTTTAATTGCACAAGGTGTCAATGTGAAC
CTTGTGACAATTAACCGGGTGTCTTCTCTCCACGAGGCATGCCTTGGAGGTCACGTGGCCTGTGCCAAAG
CCTTATTGGAAAATGGTGCACACGTCAATGGAGTGACAGTTCACGGAGCCACACCCCTCTTCAATGCTTG
CTGCAGCGGCAGTGTGTCATGTGTCAATGTGCTGCTGGAGTTCGGAGCCAAGGCCAGTTGGAGGTGCAC
CTGGCCTCGCCCATCCATGAGGCAGTGAAGAGAGGTCACAGAGAGTGTCATGGAGATCCTGCTGGCAAATA
ATGTTAACATTGACCATGAGGTGCCTCAGCTCGGAACCTCCCTATATGTGGCCTGCACCTACCAGAGGGT
AGACTGTGTGAAGAACTTCTAGAATTAGGAGCCAGTGTGACCATGGCCAGTGGCTGGACACCCCACTC
CATGCTGCAGCGAGGCAGTCCAATGTGGAGGTCATCCACCTGCTAACCGACTATGGAGCTAACCTGAAGC
GTAGAAATGCTCAGGGCAAAAGTGCGCTTGATCTGGCGGCTCCAAAAGCAGCGTGGAGCAGGCACTCTT
GCTCCGTGAAGGCCACCTGCTCTTTCCAGCTCTGCCGCCTGTGTGTCCGGAAGTGTCTCGGTGAGCA
TGTCATCAAGCCATCCACAAGCTACATCTGCCAGAGCCACTCGA
ACGATTCCTCCTATACCAATAGTCCTAAGTGTTCTGGGAAGATACTTGGAAATGACACAGATTGTTGTCT
GCTGTACCTAGAGTACCTAATGTAGAAGCTCAACAGCTTAGACTCCTAGTATCTTTAAATGAGMTCAGTC
GAAGTAAATCCCCATGAGCTAGAACACTTGAGGAGTGGRAACTCCTGGTTAGTTTAAATGTTCTCATTAA
CCAAGGGGCAAGTAGAAACCATTTAGCTTTTAGCTCTTTGTTGTTAAGAACTTAAAGAACTGTGAAGT
AGAGTGAAAACAATAGGCTGTTTTTTGATGATTCTGGGATCTTCTTGTACCTAAAAGTCAACATTCTGAAT
ATTGTATAGACACATATAAATTCAGGTGGATAAGATTATAACAAATGTTAGGTATTCCAAGATATGttct
tgatttagttccttccttcagcccttccccactttttttctttcttTCCTTGAATAAATCTGGTATAATT
TTGAAAAAAAAAAAAAAAAAAAAA

Figure 1A

>33358 amino acids

MEDGPVFGFKNIFITMFATFFFFKLLIKVFLALLTHFYIVKGNRKEAARIAEEIYGGISDCWADRSPLH
EAAAQGRLLALKTLIAQGVNVLVTINRVSSLHEACLGGHVACAKALLENGAHVNGVTVHGATPLFNACC
SGSAACVNVLLFEGAQLEVLASPIHEAVKRGRHRECMEILLANNVNIDHEVPQLGTPLYVACTYQRVD
CVKKLLELGASVDHGQWLDTPHAAARQSNVEVIHLLTDYGANLKRRNAQGKSALDLAAPKSSVEQALLL
REGPPALSQLCRLCVRKCLGRACHQAIHKLHLPEPLERFLLYQ.

Figure 1B

09834870-061801

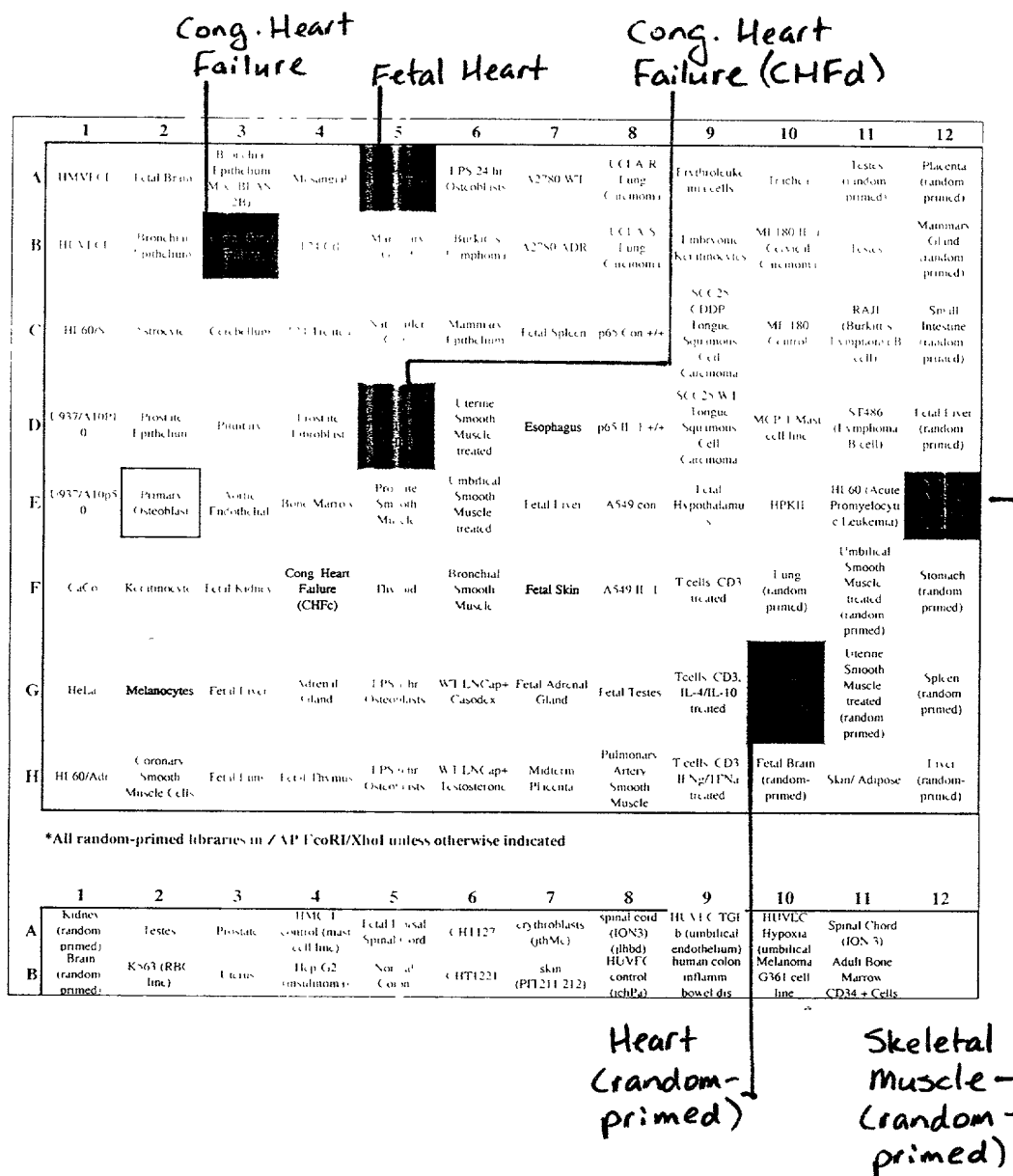


Figure 2A

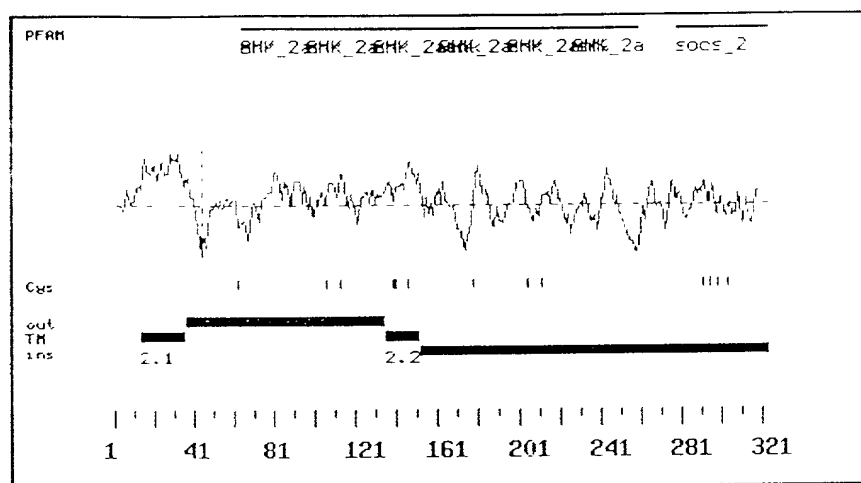
09884870-064804

Heart

C	HPK (random primed)	Heart	Mammary Gland	Normal fibroblasts (Fib2)	Colon to Liver Metastasis (C H1128)	normal fibroblasts	BMC (D34.4) (phMc)	W138 20hr serum starved emb. Lung	Th1 Cells	HUVEC untreated (umbilical endothelial)
D	Uterus (random primed)	Liver	Spleen	Normal Ovarian Epithelial	Colon to Liver Metastasis (C H1133)	PTH Osteoblast (P11)	ovarian ascites (phOb)	lung squamous cell carcinoma	Th2 Cells	IBD Colon (WPM 23)
E	Thymus (random primed)	Heart	Small Intestine	Normal Megakaryocytes	Colon carcinoma (NDR109)	lung adenocarcinoma (P1124)	IBD colon (W1 M6) (phlna)	brain subcortical white matter	Prostate Tumor Xenograft A12	Inguinal Ganglia
F	9 week Fetus	Thymus	Rectal Pigmentosa Epithelial	Bone Marrow	Colon Carcinoma (NDR103)	lung squamous cell carcinoma (P1299)	Cervical Cancer (phCe)	normal prostate (ziplo x)	Prostate Tumor Xenograft K10	Lumbosacral Spinal Chord
G	A549 control (random primed)	Stomach	Rectum	Th1 induced T cell	Colon Carcinoma (NDR87)	d8 dendritic cells	Spinal cord (phbc)	ovarian epithelium tumor	Prostate Cancer to Liver Metastasis JHH3	Lumbosacral Dorsal Root Ganglia
H	Salivary Gland	Skeletal Muscle	BMC (1 hr) cell line	Th2 induced T cell	Colon Carcinoma (NDR097)	Megakaryocytes (phcb)	DRG (ION6 7 & 8) (phve)	HUVEC 1 name (umbilical end)	Prostate Cancer to Liver Metastasis JHH4	Dorsal Root Ganglia (ION 6 7 & 8)

Figure 2B

Analysis of 33358 (323 aa)



>33358
 MEDGPVIFYGFKNIFITMFATFFFFFKLLIKVFLALLTHFYIVKGNRKEAARIAEEIYGGIS
 DCWADRSPLHEAAAQGRLLALKTLIAQGVNVNLVTINRVSSLHEACLGGHVACAKALLEN
 GAHVNGVTVHGATPLFNACCSGSAACVNVLLFEGAQLEVLASPIHEAVKRGHRECME
 ILLANNVNIDHEVPQLGTPLYVACTYQRVDCVKKLLELGASVDHGQWLDTPLHAAARQSN
 VEVIIHLTDYGANLKRRNAQGKSALDLAAPKSSVEQALLLREGPPALSQLCRLCVRKCLG
 RACHQAIHKLHLPEPLERFLLYQ

FIGURE 3